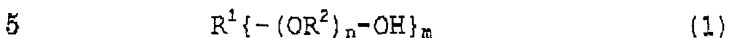


WHAT IS CLAIMED IS:

1. A refrigerating machine oil for a carbon dioxide refrigerant, comprising polyalkylene glycol represented by the following general formula (1):



[where R^1 represents a residue of an organic compound having one to ten hydroxyl groups, from which the hydroxyl groups have been removed, R^2 an alkylene group of two to four carbons, m an integer of 1 to 10, and n an integer of 1 to 100],

wherein a number average molecular weight of said polyalkylene glycol is not less than 500 nor more than 5000,

wherein a rate of ethylene group among said alkylene group in said polyalkylene glycol is more than 0 and not more than 80 mol%, and

wherein a rate of molecules in which the alkylene group bonded to a terminal hydroxyl group in said polyalkylene glycol is an ethylene group, is not more than 20 mol%.

2. The refrigerating machine oil according to Claim 1, wherein a kinematic viscosity at 100°C of said polyalkylene glycol falls between 5 and 20 mm²/s.

3. A fluid composition for refrigerating

machines, comprising the refrigerating machine oil for the carbon dioxide refrigerant as set forth in Claim 1 or 2, and the carbon dioxide refrigerant.